



FORM PTO-1449

U.S. DEPARTMENT OF COMMERCE
PATENT AND TRADEMARK OFFICEINFORMATION DISCLOSURE
STATEMENT BY APPLICANT

(Use several sheets if necessary)

ATTY. DOCKET NO.
GBR-PT003SERIAL NO.
10/713,344APPLICANT
Daniel J. PusiolFILING DATE
November 14, 2003GROUP
1743

U.S. PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER							DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
/Y.G./	AU	5	2	3	3	3	0	0	08/1993	Buess et al.			
	AV	6	0	5	4	8	5	6	04/2000	Garroway et al.			
	AW	6	1	9	4	8	9	8	02/2001	Magnuson et al.			
	AX	6	1	6	6	5	4	1	12/2000	Smith et al.			
	AY	6	1	0	4	1	9	0	08/2000	Buess et al.			
/Y.G./	AZ	6	1	0	0	6	9	4	08/2000	Wong			

FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER							DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
													YES	NO

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

	BA	R. Kimmich, "NMR Tomography Diffusometry Relaxometry", Springer (1997)											
/Y.G./	BB	J. Perlo, "Imágenes Codificadas Especialmente Por RMNY Detectadas Por RCN", Final Paper for the Physics Degree, College of Mathematics, Astronomy and Physics, Universidad Nacional de Córdoba, Argentina (2000)											
	BC	C. R. Rodríguez, "Estudio De La Dinamica Lenta Y La Estructura En Cristales Liquidos Liotropicos Micelares, Mediante RMN", Doctorate Thesis, College of Mathematics, Astronomy and Physics, Universidad Nacional de Córdoba, Argentina (2000)											
	BD	E. Rommel, K. Mischker, G. Osswald, K.H. Schweikert and F. Noack, "A Powerful NMR Field-Cycling Device Using GTOs and MOSFETs for Relaxation Dispersion and Zero-Field Studies, J. Magn. Reson. 70, 219-234 (1986)											
	BE	D. Tomasi, E.C. Caparelli, H. Panepucci and B. Foerster, "Fast Optimization of a Biplanar Gradient Coil Set", J. Magn. Reson. 140, 325-339 (1999)											
	BF	E.C. Caparelli, D. Tomasi and H. Panepucci, "Shielded Biplanar Gradient Coil Design", J. Magn. Reson. 9, 725-731 (1999)											
	BG	Y.K. Lee, H. Robert and D.K. Lathrop, "Circular Polarization Excitation and Detection in ¹⁴ N NQR", J. Magn. Reson. 148, 355-362 (2001)											
/Y.G./	BH	A.F. Privalov, S.V. Dvinskikh and H.-M. Vieth, "Coil Design for Large-Volume High-B ₁ Homogeneity for Solid-State NMR Applications", J. Magn. Reson. A 123, 157-160 (1996)											

EXAMINER
/Yelena Gakh/DATE CONSIDERED
04/18/2008

EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

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ATTY. DOCKET NO.
GBR-PT003SERIAL NO.
10713,344U.S. DEPARTMENT OF COMMERCE
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U.S. PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER							DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
/Y.G./	AA	5	2	2	9	7	2	2	07/1993	Rommel et al.			
	AB	5	2	0	6	5	9	2	04/1993	Buess et al.			
	AC	4	8	8	7	0	3	4	12/1989	Smith et al.			
	AD	6	5	2	2	1	3	5	02/2003	Miller et al.			
	AE	6	1	2	7	8	2	4	10/2000	Sydney Smith et al.			
	AF	5	8	0	4	9	6	7	09/1998	Miller et al.			
	AG	5	6	0	8	3	2	1	03/1997	Garroway et al.			
	AH	5	5	9	2	0	8	3	01/1997	Magnuson et al.			
	AI	5	5	8	3	4	3	7	12/1996	Smith et al.			
	AJ	5	4	9	1	4	1	4	02/1996	Smith et al.			
/Y.G./	AK	5	4	5	7	3	8	5	10/1995	Sydney et al.			

FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER							DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
													YES	NO
/Y.G./	AL	WO	98	0	9	1	7	8	03/1998	WO				
/Y.G./	AM	RU	21	90	84	2	C	1	10/2002	RU			X*	
/Y.G./	AN	RU	21	84	36	8	C	1	06/2002	RU			X*	

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

/Y.G./	AO	V.S. Grechishkin, "NQR Device for Detecting Plastic Explosives, Mines and Drugs", Applied Physics, Vol. A55, pp. 505-507 (1992)
	AP	B. Herzog and E.L. Hahn, "Transient Nuclear Induction and Double Nuclear-Resonance in Solids", Phys. Rev. Vol. 103, No. 1, pp. 148-166 (1956)
	AQ	J. Perlo, F. Casanova, H. Robert and D.J. Pusiol, "Solid State Proton Imaging Detected by Quadrupole Resonance", J. Magn. Reson. 150, 132-136 (2001)
	AR	E. Rommel, P. Nickel, R. Kimmich, and D. Pusiol, "Rotating-Frame NQR Imaging", J. Magn. Reson. 91, 630-636 (1991)
	AS	V.S. Grechishkin, "Application of Multipulse Sequences in Remote NQR", Appl. Phys. A58, pp. 63-65 (1994).
/Y.G./	AT	G.V. Mozjoukhine, "The Frequency Offset Effects of NQR of Spin $I = 1$ for Remote Detection", Z. Naturforsch. 57 a, pp. 297-303 (2002).

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04/18/2008